

What is claimed is:

1. A stator of an electric rotating machine comprising:
a stator core in which plural slots each extending in
vertical axial direction are provided in circumferential
5 direction;

a stator winding inserted in said slots and wound round
said stator core; and

an insulator fitted in said slots to insulate said stator
core and stator winding;

10 wherein said insulator is formed into a two-layer
structure composed of paper and resin.

2. The stator of an electric rotating machine according
to claim 1, wherein said insulator is formed into a two-layer
structure disposing the paper on the stator winding side and
15 the resin on the stator core side.

3. The stator of an electric rotating machine according
to claim 1, wherein said insulator is formed into a two-layer
structure disposing the paper on the stator core side and the
resin on the stator winding side.

20 4. The stator of an electric rotating machine according
to claim 1, wherein said insulator warps due to difference in
expansion coefficient of water absorption after formation of
the insulator, thus forming a curved surface gently enlarging
toward the end.

25 5. The stator of an electric rotating machine according
to claim 1, wherein both end edge portions of the opening portion
of said insulator are provided with inclined flat edge portions
extending upward from curvature portions of which inwardly
curving angles are different.

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6. The stator of an electric rotating machine according to claim 1, wherein under the condition that a winding assembly is inserted in the slot through said insulator, end of one flat edge portion of said insulator is tightly in contact with an inner face of the other flat edge portion for closure of the opening portion.

7. The stator of an electric rotating machine according to claim 1, wherein said stator winding inserted in the slots of the stator core through said insulator is wound forming a row in depth direction.

8. The stator of an electric rotating machine according to claim 1, wherein said stator winding inserted in the slots of the stator core through the insulator is composed of conductor segments.

9. The stator of an electric rotating machine according to claim 1, wherein said stator winding inserted in the slots of the stator core through said insulator is disposed in the form of regular winding continuous wire.